

GILA RIVER BASIN

09483040 WEST SPEEDWAY WASH NEAR TUCSON, AZ

LOCATION.--Lat 32°14'20", long 111°02'43", SE¹/₄SE¹/₄ sec.6, T.14 S., R.13 E., Pima County, Hydrologic Unit 15050301, at driveway to Power substation off West Speedway Road, 2 mi west of Tucson city limits, and 3 mi northwest of St. Mary's Hospital.

DRAINAGE AREA.--0.46 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1965	07-10-65	224		1974	09-14-74	15	
1966	09-13-66	41		1975	09-07-75	160	
1967	00-00-67	37		1976	09-25-76	240	
1968	10-03-67	44		1977	00-00-77	10	ES
1969	08-08-69	236		1978	10-06-77	104	
1970	09-04-70	236		1979	07-20-79	74	
1971	08-20-71	144		1980	08-24-80	86	
1972	08-12-72	159		1981	08-13-81	40	
1973	07-00-73	238					

Magnitude and probability of instantaneous peak flow based on period of record 1965-81

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
92.2	202	291	419	521	627
Weighted skew	(logs) =	-0.05			
Mean	(logs) =	1.93			
Standard dev.	(logs) =	0.43			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
364	1.1	2,750	0.0	1.0	11.8	1.9	4.6

